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sance des Temps, and the *Berliner Jahrbuch*, and 153 are from the *Berliner Jahrbuch*.

Considerable space is devoted to a description of the instrument employed, since this is the first of the Lick Observatory volumes in which meridian-circle work has appeared. J. E. K.

PRELIMINARY ACCOUNT OF THE RESULTS OBTAINED BY THE
CROCKER ECLIPSE EXPEDITION OF THE
LICK OBSERVATORY.

Advices received from Professor CAMPBELL, in charge of the Crocker Eclipse Expedition, at Thomaston, Georgia, show that the party had a narrow escape from clouds on the day of the eclipse. The sky was cloudy at sunrise, but it cleared a little later in the morning. Ten minutes before totality large clouds were drifting rapidly toward the Sun, and one minute after third contact the Sun was obscured. Fortunately the sky around the Sun was clear during totality. Mr. CAMPBELL and Mr. PERRINE were aided by fourteen assistants, among whom was Mr. H. D. CURTIS, formerly of the University of the Pacific.

Mr. CAMPBELL reports that the photographs obtained with the 40-foot camera are very fine. The connection between the streamers of the inner corona and the prominences, which was brought out so beautifully on the pictures obtained in India with the same apparatus, is not so apparent on these negatives, but traces of it can probably still be found. The photographs obtained with the smaller cameras are of various degrees of excellence; some are good, and some poor. On the negatives obtained with the Floyd telescope, on slow plates, the streamers of the corona can be traced from three to four solar diameters, or as far as the eye could trace them during the eclipse. The results with the spectroscopic apparatus were less successful. One of the plate-driving clocks, after performing perfectly during every rehearsal, failed at the critical moment. An exposure to the spectrum of the corona was, however, obtained during totality. The observations of contacts were carried out according to the programme.

Notwithstanding the few partial failures recorded above, the success of the party in carrying out its extensive and complicated programme is a source of satisfaction to the Observatory and to all interested in its work. It is also gratifying to record the fact that, so far as known at present, successful observations were secured by all the parties in the line of the eclipse. J. E. K.